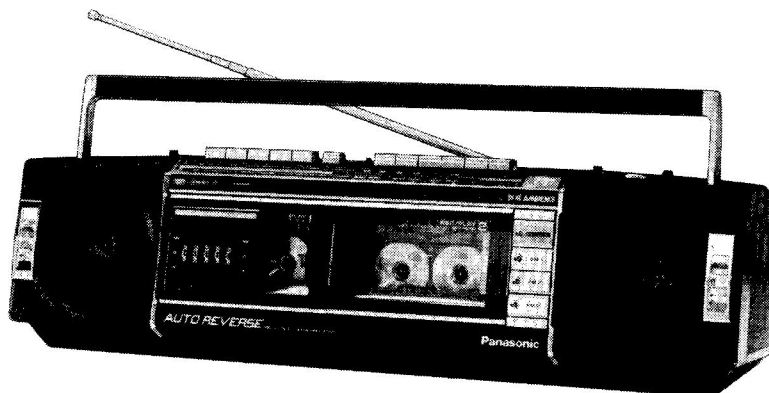


Service Manual

Stereo Radio Cassette Recorder

Radio Cassette
RX-FW29
(Black)



This is the Service Manual for the following area.

[M].... For U.S.A.

RX-FW29 MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement: AC;120V,60Hz
Battery;12V(Eight"D"Size
Flashlight Batteries)
(Panasonic UM-1 or equivalent)

Power Consumption: 23W(AC only)
Power Output: 15W(7.5Wx2)...RMS(max)
Speaker: Woofer;4"(10cm) PM Dynamic
speaker(3Ω)
Tweeter;3/4"x1"(1.4x2.5cm)
Ceramic speaker(1.5kΩ)
Mix Mic;sensitivity 5mV/
applicable
microphone impedance
200~600Ω,ø3.5

Input: Line in;sensitivity
316mV/47KΩover

Output: Headphones;32Ω(8~50Ω),ø3.5

Dimensions: 21-1/16"(W)x5-13/16(H)"x5-3/32"(D)
(535 x147 x129)mm

Weight; 7lbs.12oz.(3.5Kg)without batteries

Radio Section;

Radio Frequency Range;
FM;88~108MHz
AM;525~1610KHz

Intermediate frequency;
FM;10.7MHz
AM;455KHz

Sensitivity: FM;3.2μV/50mW output
(-3dB Limit Sens)
AM;79μV/m/50mW output

Tape Deck Section:

Frequency Response: 60~14,000Hz(with normal tape)
Tape Speed: 1-7/8ips(4.8cm/s)
Track System: 4-track 2-channel stereo playback

Tape Deck Section:

Frequency Response: 60~14,000Hz(with normal tape)
Recording System: AC bias,Magnet erase
Tape Speed: 1-7/8ips(4.8cm/s)
Track System: 4-track 2-channel stereo
recording and playback

Weights and dimensions shown are approximate.
Design and specifications are subject to change without notice.

Panasonic®

Matsushita Service Company
50 Meadowland Parkway,
Secaucus, New Jersey 07094

Panasonic Hawaii, Inc.
91-238, Kauhli St. Ewa Beach
P.O. Box 774
Honolulu, Hawaii 96808-0774

Panasonic Sales Company,
Division of Matsushita Electric
of Puerto Rico, Inc.
Calle Rosarito, Edif
D Ceramica Industrial Park
Carolina, Puerto Rico 00630

SAFETY PRECAUTIONS (For U.S.A.)

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

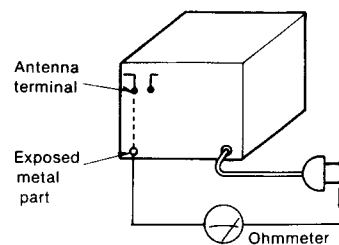


Fig. 1

Resistance = $3\text{M}\Omega$ — $5.2\text{M}\Omega$

INSULATION RESISTANCE TEST (For U.S.A.)

1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between $3\text{M}\Omega$ and $5.2\text{M}\Omega$ to all exposed parts*. (Fig. 1) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. 2)
 *Note: Some exposed parts may be isolated from the chassis by design. These will read infinity.
4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

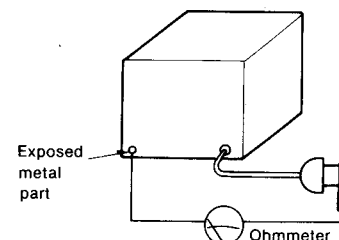
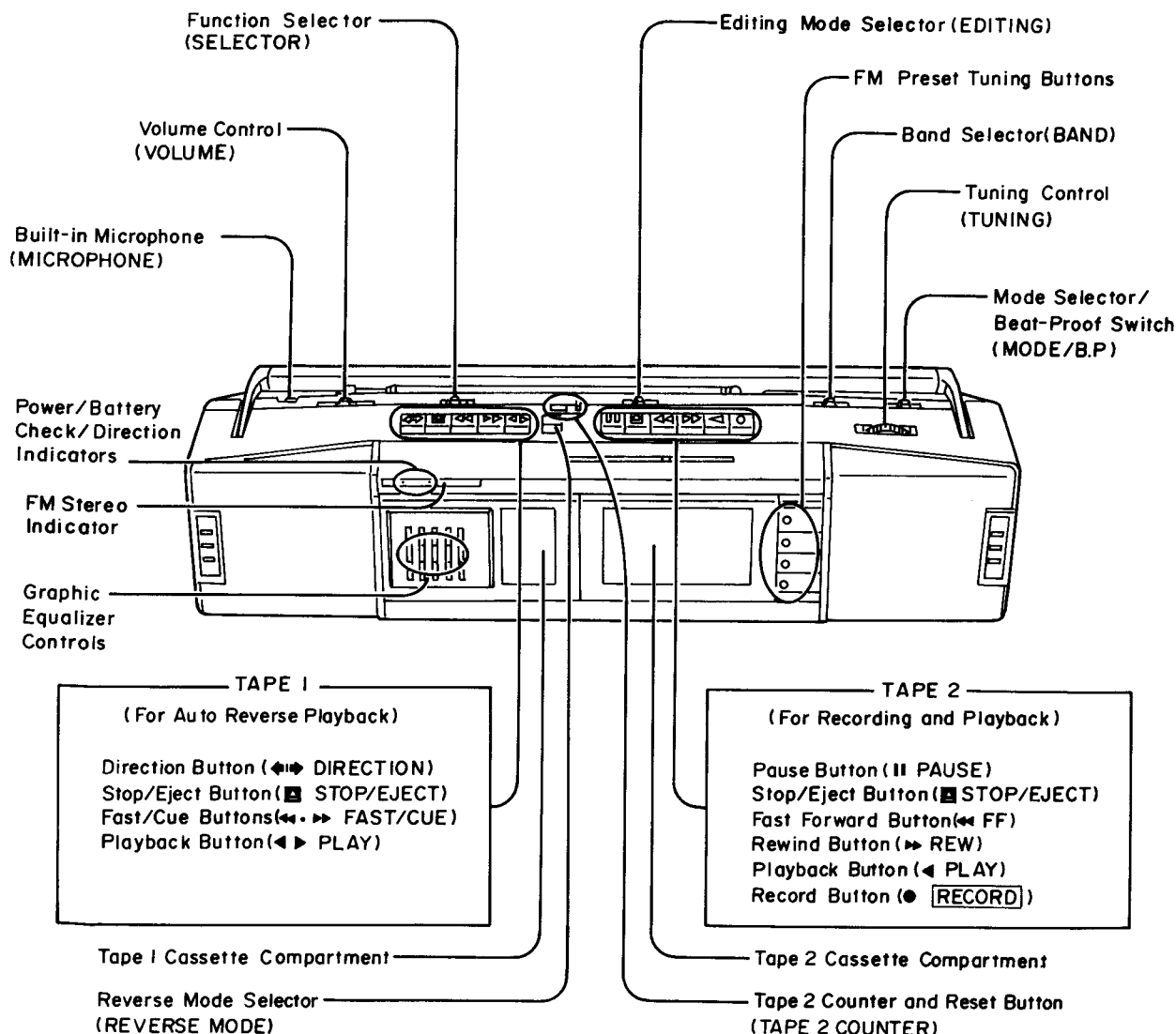
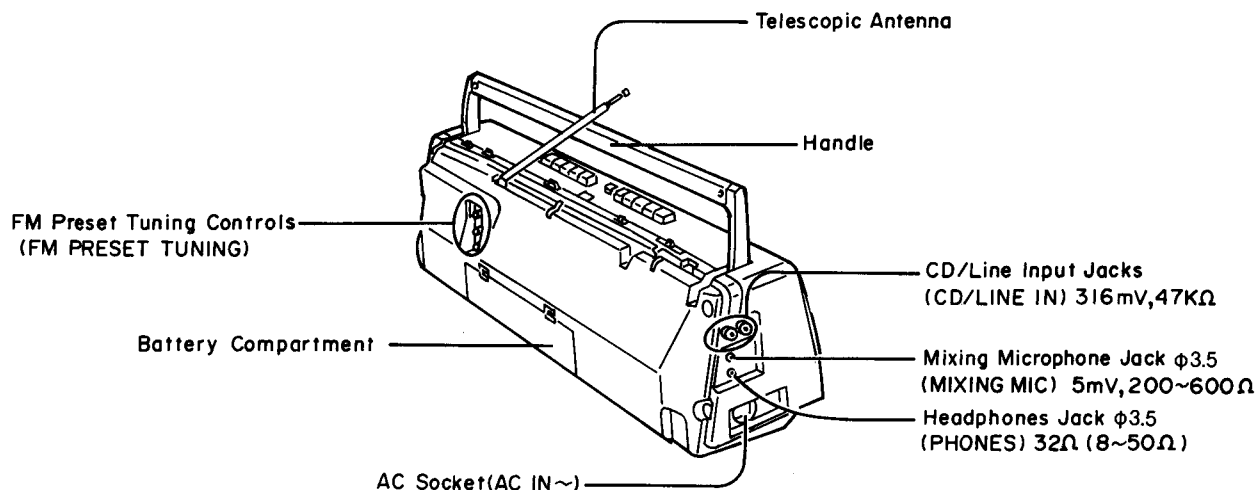


Fig. 2

Resistance = Approx ∞

LOCATION OF CONTROLS





BATTERY SERVICE LIFE

UM-2 (C-size) Batteries
 Approx. 21 hours of recording (EIAJ)
 Approx. 8.5 hours of playback (EIAJ) with volume set at 3/4 position

The above battery service life is measured according to the conditions set forth by EIAJ (Electronic Industries Association of Japan). As the battery service life varies with the method of operation and environmental conditions, use these values as reference.

RADIO

- Set the Function Selector to "RADIO".
 - The Power/Battery Check/Direction Indicator will light.
- Set the Band Selector to the desired radio band.
- Tune in your favorite station using the Tuning Control.
 - Set the FM Preset Tuning Button to "MANUAL" when using the Tuning Control for FM reception.
- Set the Mode Selector to "AMBIENCE", "STEREO" or "FM MONO".
 (In receiving an FM stereo broadcast, a great "ambience effect" is obtained when you set the Mode Selector to "AMBIENCE".)
- Adjust the Volume and Graphic Equalizer Controls to the desired settings.
 (Refer below for the operation of the Graphic Equalizer.)
- The radio can be turned off by setting the Function Selector to "POWER ☐ OFF/TAPE".

Notes:

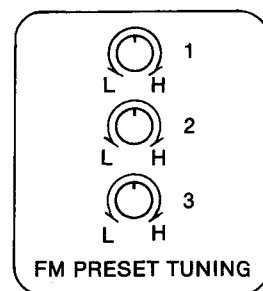
- To receive FM stereo broadcasts, set the Mode Selector to "STEREO" or "AMBIENCE". The FM Stereo Indicator will light during stereo broadcasts.
- If FM stereo reception is poor (excessive noise, FM Stereo Indicator flickers), set the Mode Selector to "FM MONO". This will reduce the noise and provide clear reception; however, the broadcast will not be heard in stereo.

TOUCH'n' TUNE

This feature makes it possible to preset your three favorite FM stations and receive one of them by one touch operation.

How to preset the FM stations

- Set the Function Selector to "RADIO".
- Set the Band Selector to "FM".
- Press one of the FM Preset Tuning Buttons which you want to preset into.
- Turn to tune the corresponding FM Preset Tuning Control on the back of the unit to one of your favorite FM stations.



- Repeat the steps 1–4 to preset a station in each of the remaining FM Preset Tuning Buttons.
 - When a new frequency is preset the frequency previously preset in the button will be cancelled.

How to use Touch'n' Tune

- Set the Function Selector to "RADIO".
- Set the Band Selector to "FM".
- Press the FM Preset Tuning Button.
 - The preset station can be received.
 - You can change to another preset station by only pressing one of the FM Preset Tuning Buttons.

DISASSEMBLY INSTRUCTIONS

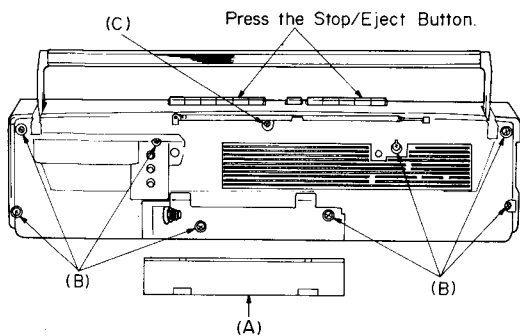


Fig. 1

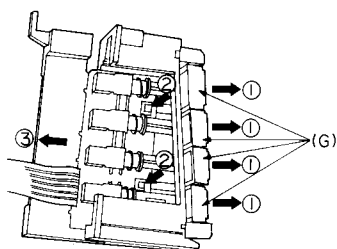


Fig. 3

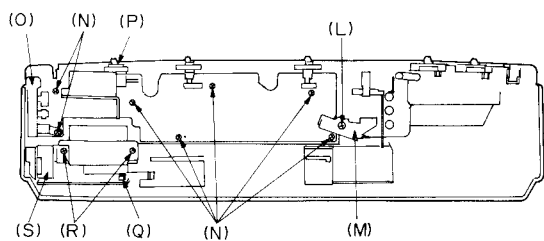


Fig. 5

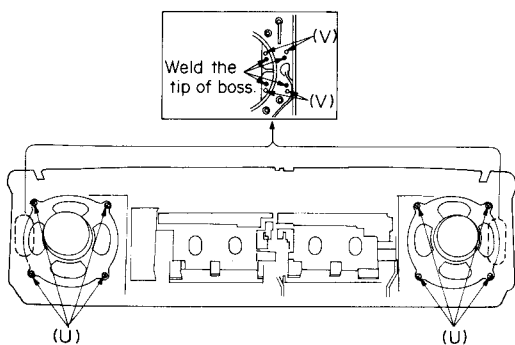


Fig. 7

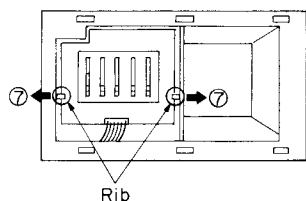


Fig. 9

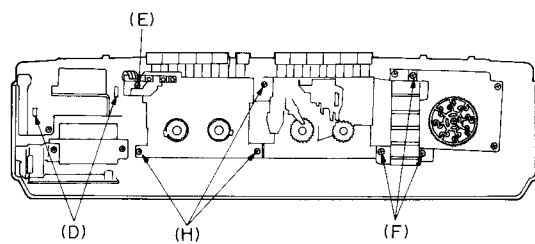


Fig. 2

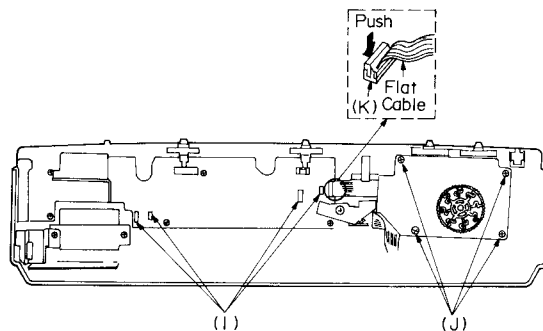


Fig. 4

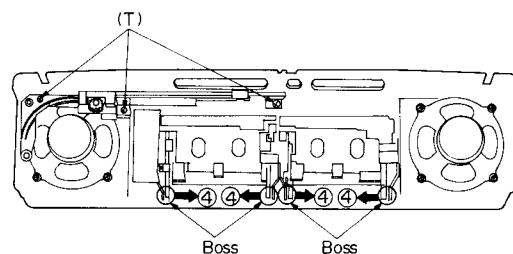


Fig. 6

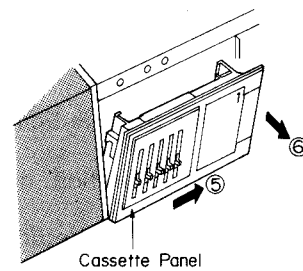


Fig. 8

HOW TO REPLACE

- During installation, simultaneously fit in A and A', B and B' (Fig. 10)

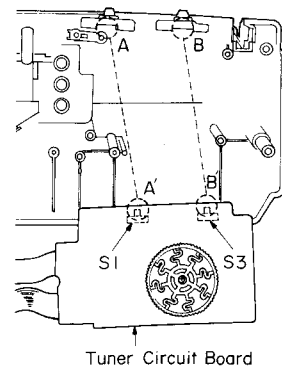


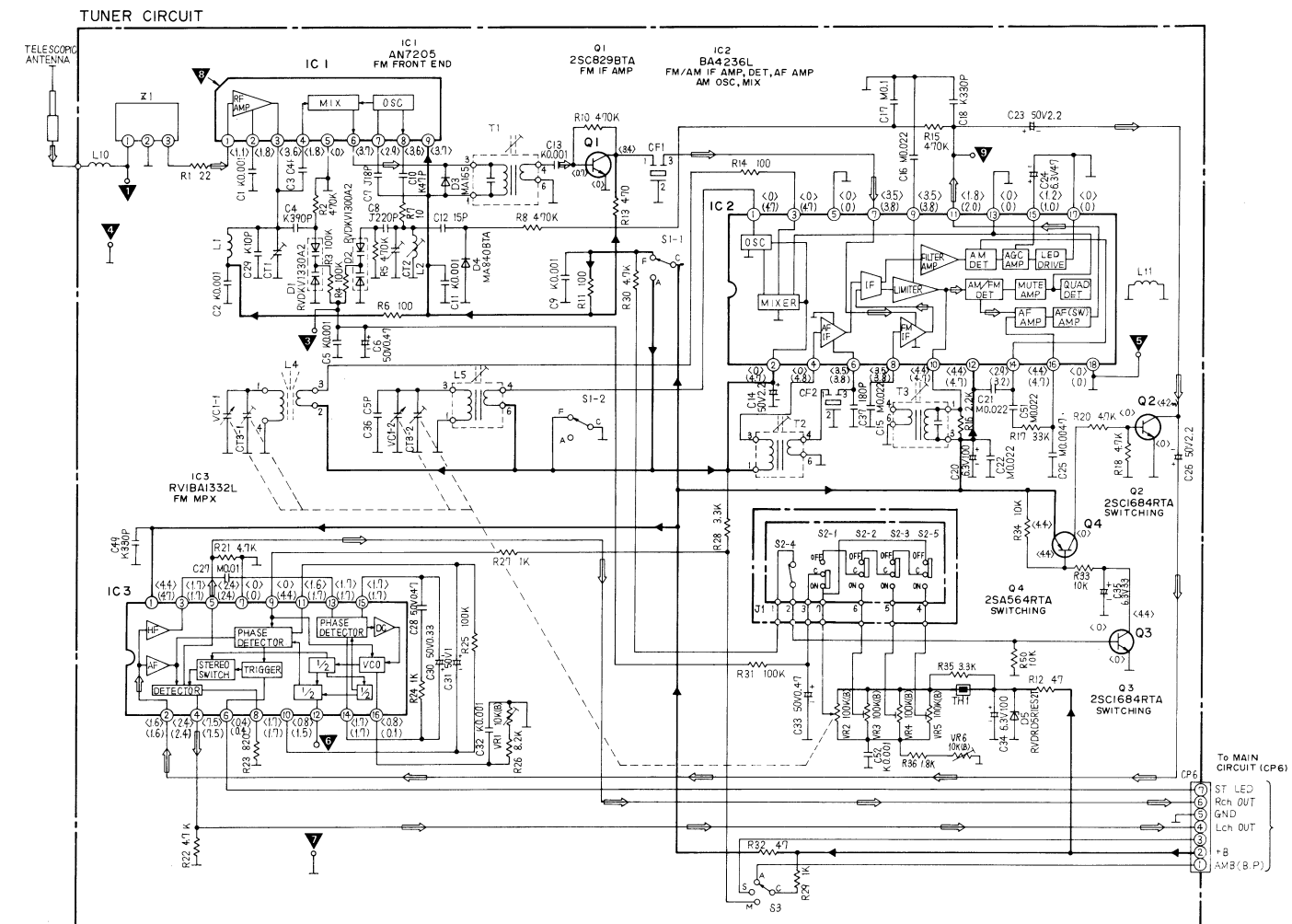
Fig. 10

Steps.	Shown in Fig. —.	To remove —.	Remove —.
1	1	Front Panel (※1)	Battery cover..... (A) × 1
2			Screw (3 × 50)mm..... (B) × 8
3			Screw (3 × 20)mm..... (C) × 1
4			Press the Stop/Eject button.
5	2	LED Circuit Board	Socket (CP7, CP8)..... (D) × 2
6	2		Screw (3 × 12)mm..... (E) × 1
7	2		Screw (3 × 12)mm..... (F) × 3
8	3	Switch Circuit Board	Pull the buttons in the direction of arrows ①..... (G) × 4
9			Push the rib in the direction of arrows ② and pull out the switch circuit board in the direction of arrow ③.
10	2	Mechanism (Tape 1, Tape 2)	Screw (3 × 12)mm..... (H) × 3
11	4		Socket (CP2, CP3, CP4, CP5)..... (I) × 4
12	4	Tuner Circuit Board	Screw (3 × 12)mm..... (J) × 4
13			flat cable (CP6)..... (K) × 1
14	5	Main Circuit Board	Screw (3 × 10)mm..... (L) × 1
15			Record/Playback lever..... (M) × 1
16			Screw (3 × 12)mm..... (N) × 7
17			Jack holder..... (O) × 1
18			Switch lever..... (P) × 1
19			Socket (CP1)..... (Q) × 1
20	5	Power Transformer Circuit Board	Screw (3 × 12)mm..... (R) × 2
21			Holder..... (S) × 1
22	6	Dial Chassis	Screw (3 × 12)mm..... (T) × 3
23	6	Cassette Holder	Push the boss in the direction of arrows ④ and pull it off.
24	7	Speakers (Woofer)	Screw (3 × 10) mm..... (U) × 8
25	7	Tweeter (※2)	Cut the tip of boss..... (V) × 4
26	8	Graphic Equalizer Circuit Board	Remove the cassette panel in the direction of arrows ⑤ and ⑥.
27	9		Push the ribs in the direction of arrows ⑦.

(※1) The handle is attached between the front cabinet and the rear cabinet, so the handle can be easily removed by first removing the front cabinet.

(※2) Weld the tip of boss as shown in Fig. 7.

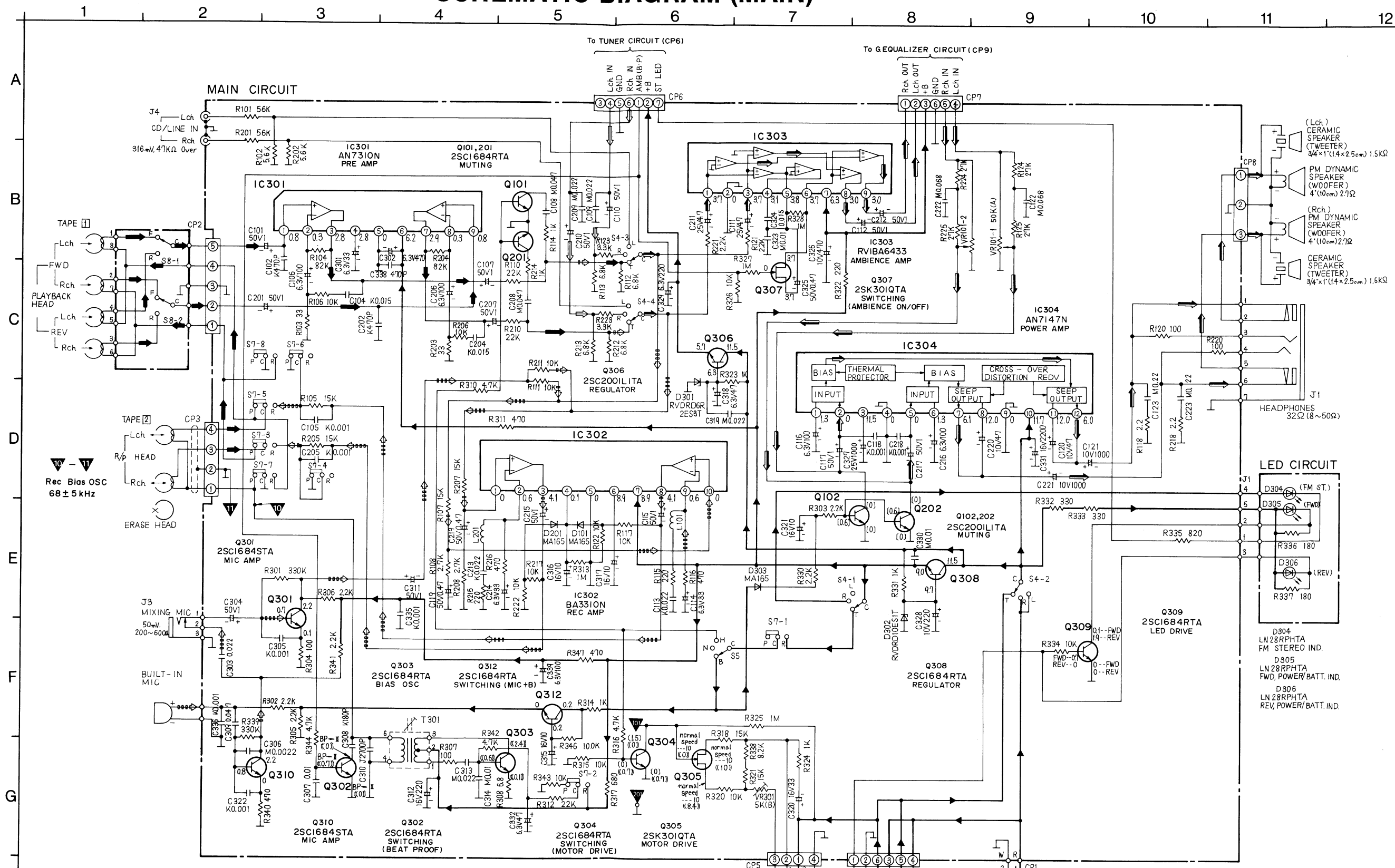
CIRCUIT BOARD DIAGRAM (Tuner & G.E.Q.)



SCHEMATIC DIAGRAM (MAIN)

Notes:

- FM Signal Line
- Playback Signal Line
- Record Signal Line
- Main (Playback/Radio) Signal Line
- +B Line



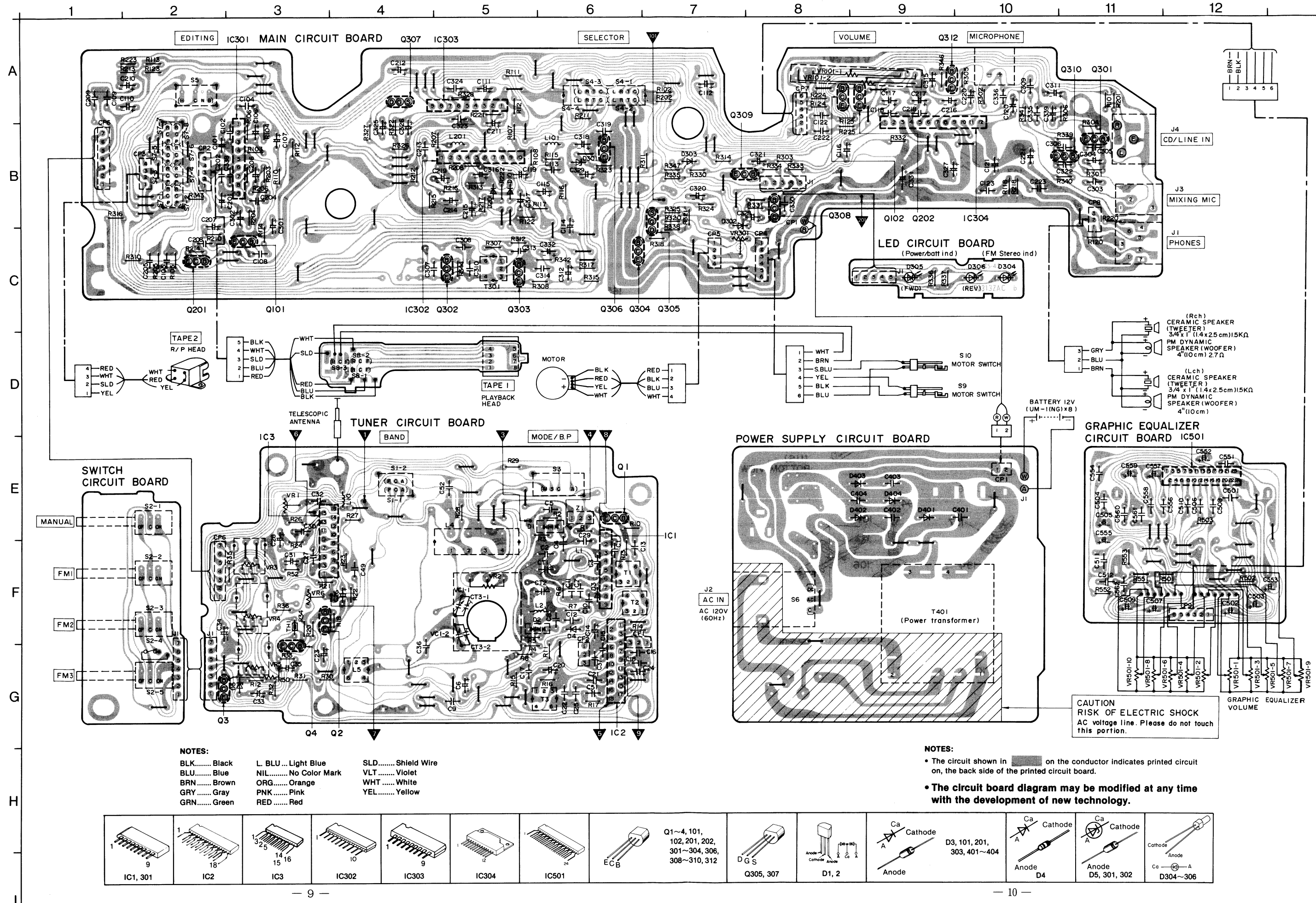
Notes:

1. S4-1~S4-4 : Function Select switch in "TAPE/RADIO [OFF]" position. (T...TAPE/RADIO [OFF], R...RADIO, L...CD/LINE)
2. S5 : Editing mode select switch in "BUILT-IN MIC" position. (B...BUILT-IN MIC, N...NORMAL, H...HIGH)
3. S6 : AC/DC select switch in "DC" position.
4. S7-1~S7-8 : Record/Playback select switch in "PLAYBACK" position. (R...RECORD, P...PLAYBACK)
5. S8-1~S8-3 : FWD/REV select switch in "FWD" position. (F...FWD, R...REV)
6. S9 : TAPE [] motor switch in "OFF" position.
7. S10 : TAPE [] motor switch in "OFF" position.
8. VR101-1, VR101-2 : Volume control VR.
9. VR301 : Tape speed adjustment VR.
10. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.

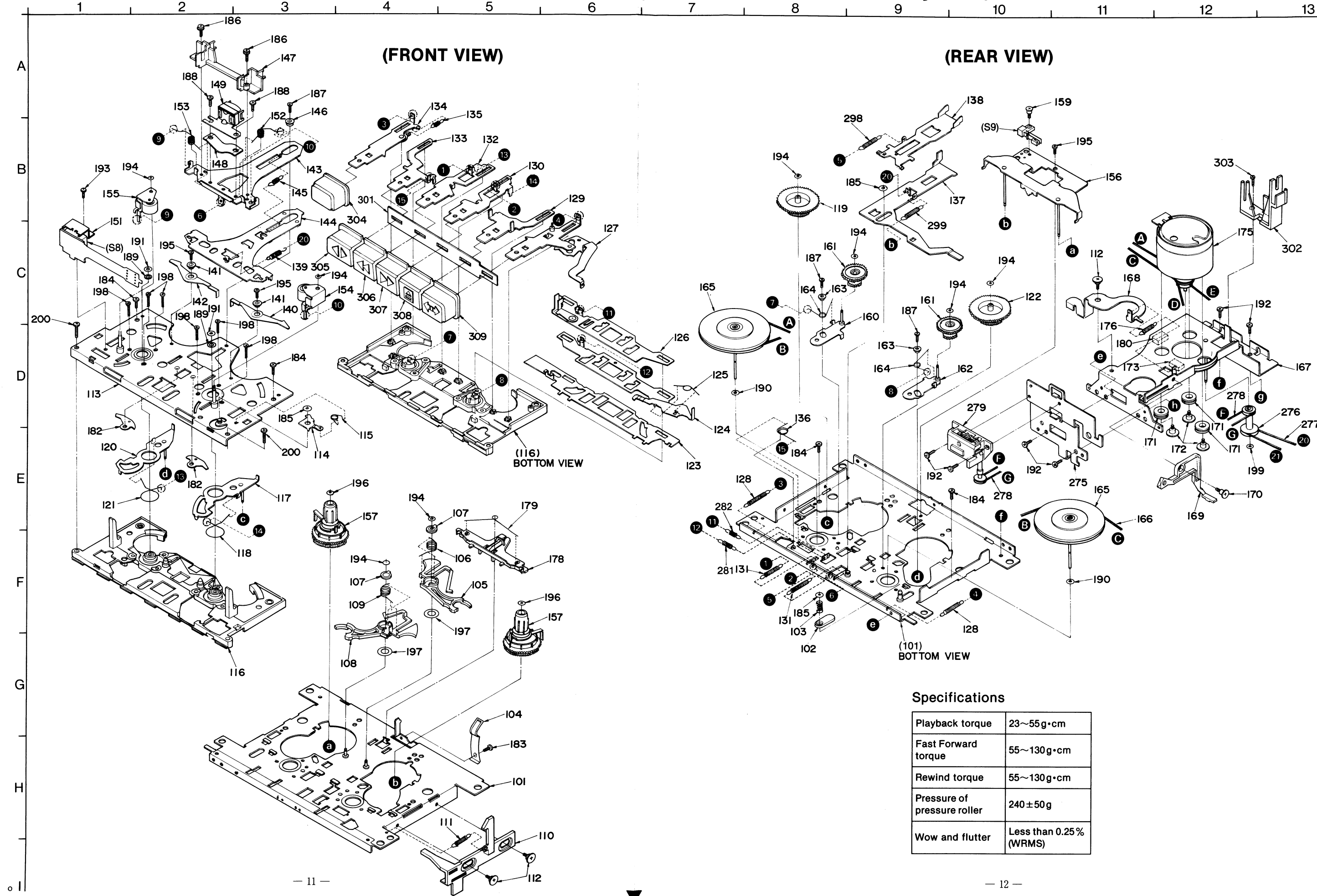
< > FM, () ... AM, [] ... Record,	45.4mA
No mark ... Playback, [] ... High Speed	
Maximum Output	
Playback (Vol. min).....	100mA
Playback (Vol. max).....	980mA
11. Battery current: No signal 45.4mA

12. The mark (▼) shows test point e.g. ▼ = test point 1.
 13. Important safety notice
Components identified by ▲ mark have special characteristics important safety.
When replacing any of these components, use only manufacturer's specified parts.
 14. The supply parts number is described alone in the replacement parts list.
- This schematic diagram may be modified at any time with the development of new technology.

CIRCUIT BOARD DIAGRAM



MECHANISM PARTS LOCATION (TAPE 1: Auto Reverse Playback)



Specifications

Playback torque	23~55g·cm
Fast Forward torque	55~130g·cm
Rewind torque	55~130g·cm
Pressure of pressure roller	240±50g
Wow and flutter	Less than 0.25% (WRMS)

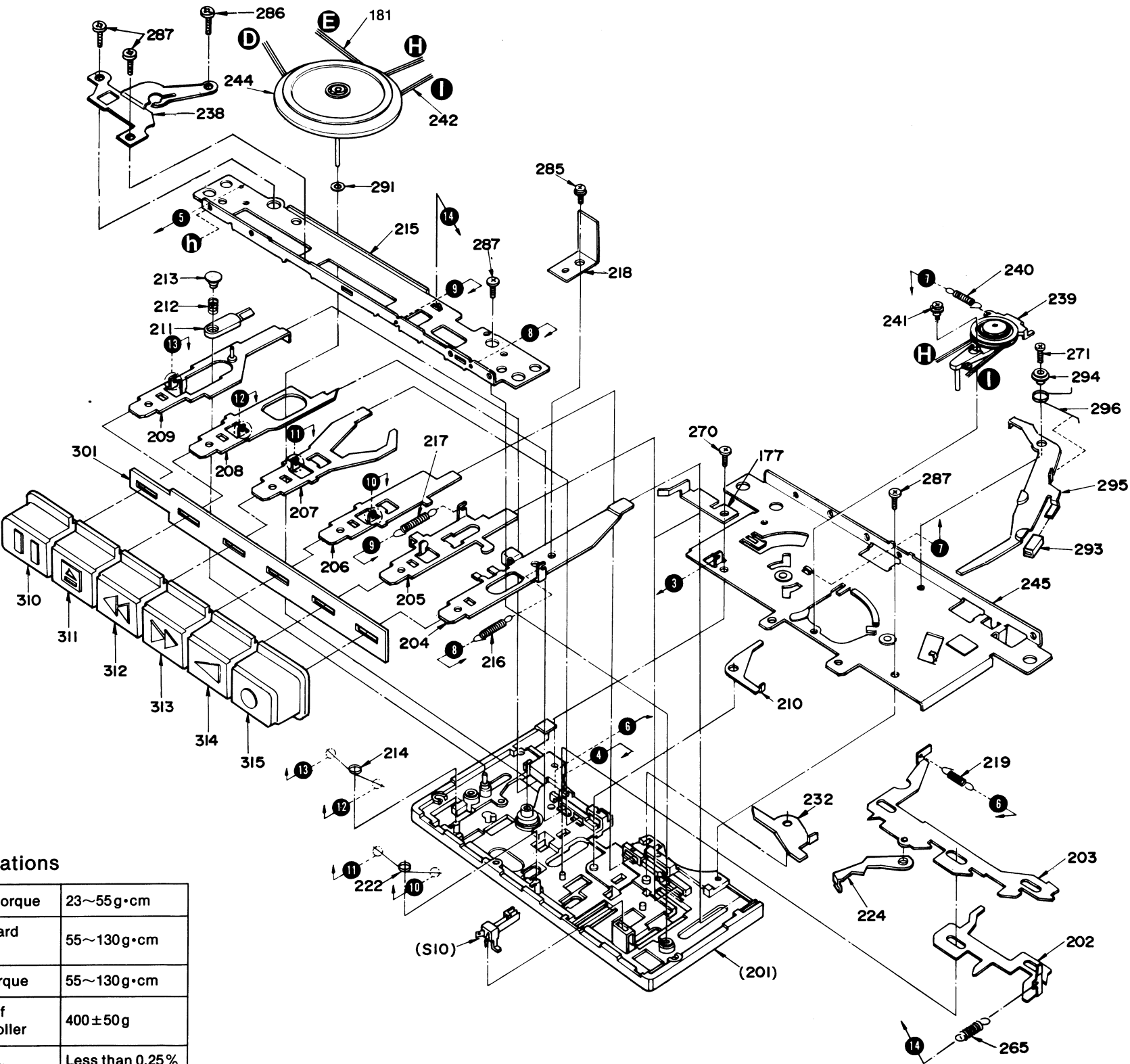
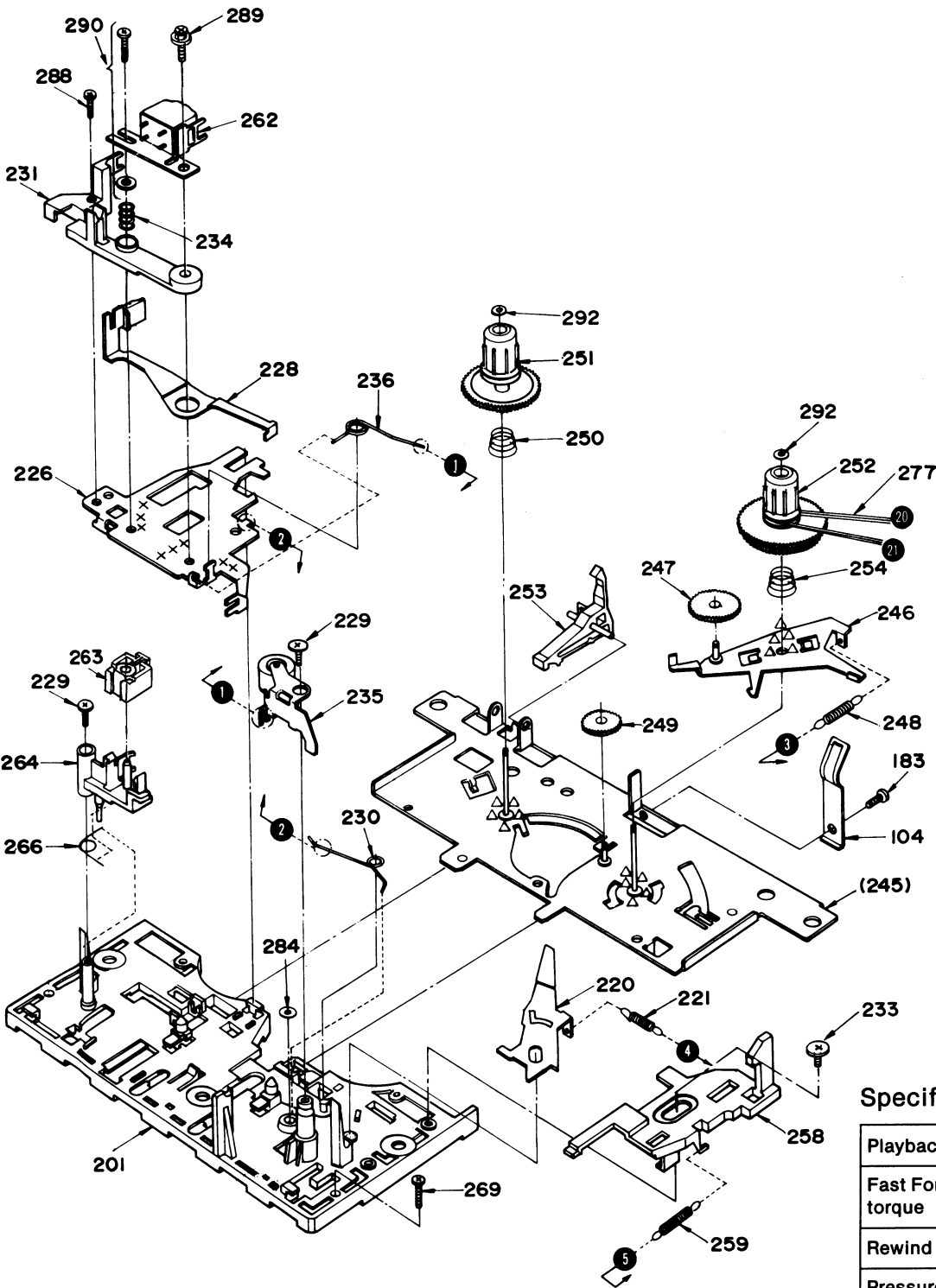
MECHANISM PARTS LOCATION (TAPE 2: Recording and Playback)

1 2 3 4 5 6 7 8 9 10 11 12 13

(FRONT VIEW)

(REAR VIEW)

A
B
C
D
E
F
G
H
I



Specifications	
Playback torque	23~55g·cm
Fast Forward torque	55~130g·cm
Rewind torque	55~130g·cm
Pressure of pressure roller	400±50g
Wow and flutter	Less than 0.25% (WRMS)

MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT					
1.Set volume control to maximum.		4.Set power source voltage to 12V DC.			
2.Set graphic equalizer to center.		5.Set function selector to radio.			
3.Set band switch to AM or FM-ST.		6.Output of signal generator should be no higher than necessary to obtain an output reading.			

■ AM-IF ALIGNMENT

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLT METER or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
Fraction loop of several turns of wire and radiate signal into loop of receiver.	455kHz 30% Mod. at 400Hz	Point of non-interference. (on/about 600kHz)	Output meter across voice coil.	T2(AM IFT) maximum	Adjust for out put.

■ AM-RF ALIGNMENT

Fraction loop of several turns of wire and radiate signal into loop of receiver.	511kHz	Tuning capacitor fully closed.	Output meter across voice coil	L5(AM OSC Coil)	Adjust for maximum output.
"	1,650kHz	Tuning capacitor fully open.	"	CT3-2(AM OSC Trimmer)	"
"	550kHz	Tune to signal	"	(*1)L4(AM ANT Coil)	Adjust for maximum output. Adjust L4 by moving coil bobbin along ferrite core.
"	1,500kHz	"	"	CT3-1(AM ANT Trimmer)	Adjust for maximum output.

(*1) Cement antenna bobbin with wax after completing alignment.

■ FM-IF ALIGNMENT

Connect to test point TP8. through ceramic capacitor (0.001μF) Negative side to test point TP4.	10.7MHz (SWP)	Point of interference (on/about 90MHz)	Connect vert. amp. scope to test point TP9. Negative side to test point TP5.	T1(FM 1st)	Adjust for maximum amplitude. (Refer to fig.2.)
"	"	"	"	T3(FM 2nd)	Adjust for maximum amplitude. (Refer to fig.3.)

■ FM-RF ALIGNMENT

		Variable capacitor fully closed.	Connect vert. amp. of scope to test point TP3. Negative side to test point TP4.	VR6	Adjust VR6 for 0.80±0.03V reading on electronics voltmeter
Connect to test point TP1. through FM dummy antenna. Negative side to test point TP4.	86.2MHz	"	Output meter across voice coil.	L2(FM OSC coil)	(*2) Adjust for maximum output.
"	109.2MHz	Variable capacitor fully open.	"	CT2(FM OSC Trimmer)	"
"	106MHz	Tune to signal	"	CT1(FM ANT Trimmer)	(*2) Adjust for maximum output.

(*2) Three output responses will be present; proper tuning is the center frequency.

■ SEPARATION ALIGNMENT

ITEM	FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	98 MHz, 60 dB (CW) Connect to test point TP1. through FM dummy antenna. Negative side to test point TP4.	TP6 ... (+) TP7 ... (-)	VR1	19 kHz	Adjust VR1, for 19 kHz ± 50 Hz reading on electronics counter.

■ TAPE ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Azimuth (Tape [1] & [2])	QZZCFM (8 kHz, -20 dB)	SP OUT (AC voltmeter & Oscilloscope)	Maximum output	Azimuth screw (FWD, REV)	Playback mode Mode switch → STEREO (Refer to Fig. 4)

■ TAPE SPEED ADJUSTMENT

ITEM	FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	REMARKS
Tape speed adjustment (Tape [1] & [2])	QZZCWAT (3kHz)	Headphone Jack (32Ω)	VR305 [Tape 1] (Refer to Fig. 5)	Normal Speed Adjustment 1. Insert a test tape (QZZCWAT) in tape [1] and playback.
	2. Adjust VR301 until the measured value becomes 3000 ± 30 Hz .			
	3. Check tape [2] in the same way to make sure it satisfies the specification.			
	Tape [2].....±20 Hz of the speed of tape [1]. If it doesn't repeat steps 1 and 2 above.			
	Note: This set uses one drive motor, so be sure to perform the adjustment in tape [1].			
	High Speed Measurement			
	4. Short the high speed pin to set the high speed mode. (TP101-TP201)			
	5. Check to be sure that the measured speed is at least 1.7 times faster than normal speed.			

■ ALIGNMENT POINT

* Please refer to Circuit Board and Wiring Connection Diagram for test point locations.

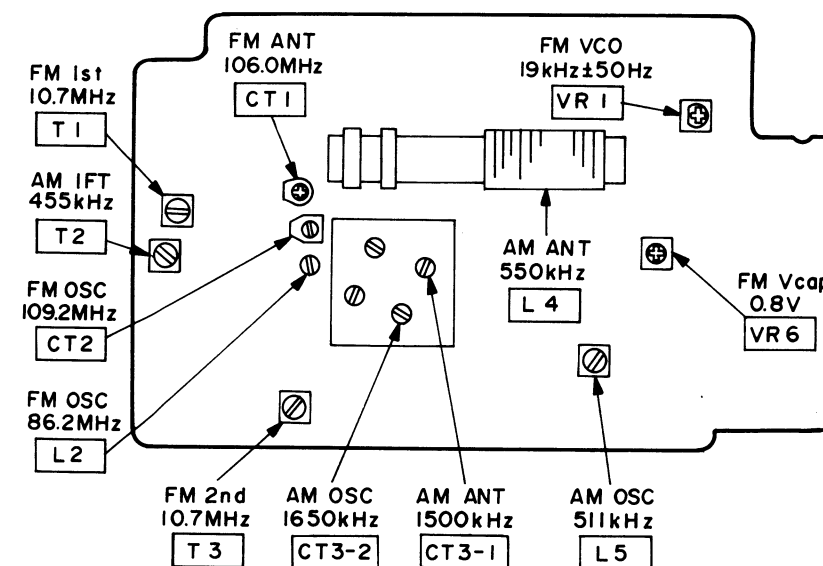


Fig. 1

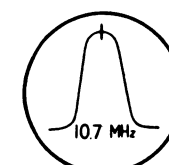


Fig. 2

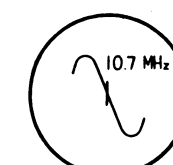


Fig. 3

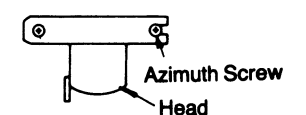


Fig. 4

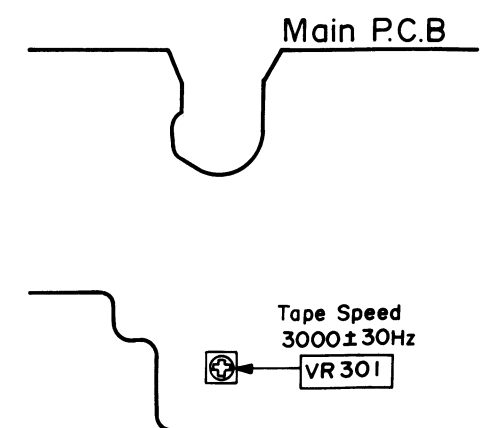
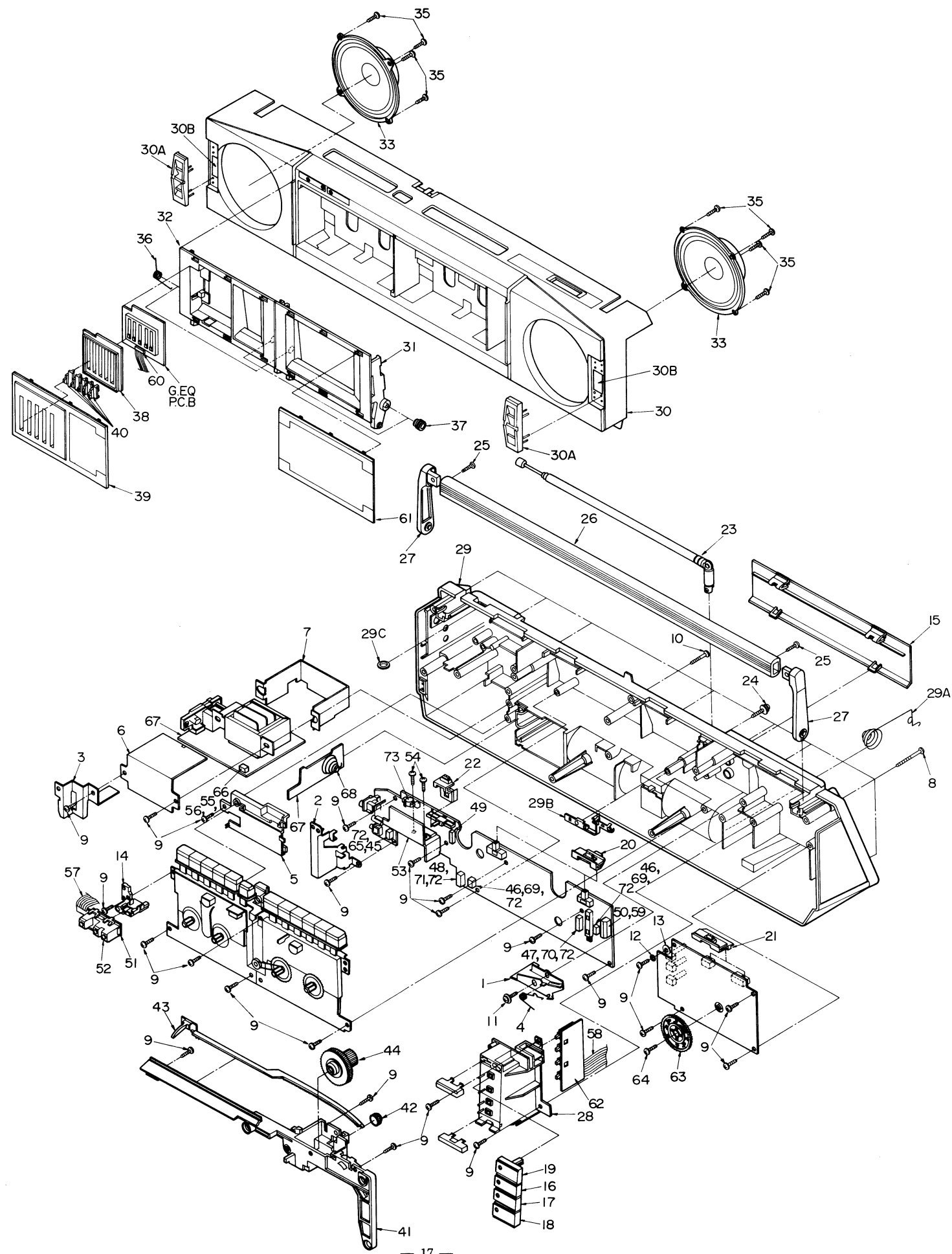


Fig. 5

CABINET PARTS LOCATION



CABINET PARTS LIST

Notes:
1. Important safety notice
Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
2. $\square$ Indicates parts that are supplied by MESA.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
CABINET AND CHASSIS				35	XTV3+10G	005 501 0826 6	SCREW
1	RUB523ZA	015 718 4816 8	LEVER $\square$	36	RUS665ZAB	015 726 3155 0	SPRING $\square$
2	RUL991ZA	015 632 6741 7	ANGLE $\square$	37	RDG5782Y	015 745 1013 4	GEAR $\square$
3	RUL992ZA	015 632 6740 8	ANGLE $\square$	38	RKE611ZA	015 846 3266 5	COVER $\square$
4	RUS736ZA	015 726 3154 1	SPRING $\square$	39	RGF1158ZA-0	015 840 2733 3	PANEL $\square$
5	RUUV800ZA	015 640 0500 0	HOLDER $\square$	40	RBD498ZA-0	015 700 4784 5	KNOB $\square$
6	RMC1157ZA	015 601 1149 0	SHIELD PLATE $\square$	41	RUA798ZA-0	015 630 2690 7	DIAL CHASSIS ASS'Y $\square$
7	RMC1175ZA	015 601 1148 1	SHIELD PLATE $\square$	42	RDG5910ZA	015 745 1196 2	GEAR $\square$
8	XTN3+50G	005 501 1854 8	SCREW $\square$	43	RDP342ZA-0	015 710 0778 3	POINTER $\square$
9	XTV3+12G	005 501 0844 4	SCREW $\square$	44	RBT307ZA-0	015 700 4783 6	KNOB $\square$
10	XTV3+20G	005 501 2439 5	SCREW $\square$	45	RJP3G18Z	003 402 2531 8	PLUG(3P)
11	XTWS3+10Q	005 501 2293 5	SCREW $\square$	46	RJP4G18ZA	003 402 2689 7	PLUG
12	XWA3B	005 513 1248 8	WASHER $\square$	47	RJP5G18Z	003 400 7131 0	PLUG(5P)
13	XWG3	005 513 1488 4	WASHER $\square$	48	RJP6G18ZA	003 402 2877 5	PLUG (6P)
14	RHR3168ZA	015 652 1544 8	HOLDER $\square$	49	RJP6G20Z	003 402 2451 7	PLUG(6P)
15	RKK318ZA-0	015 820 8689 8	BATTERY COVER $\square$	50	RJS7T5ZA	003 400 7773 2	SOCKET(7P)
16	RBC1220ZA-0	015 702 4982 1	BUTTON $\square$	51	RUP2313ZAC	015 630 2689 0	P.C.B. $\square$
17	RBC1221ZA-0	015 702 4981 2	BUTTON $\square$	52	RMP278ZA	015 652 1543 9	HOLDER $\square$
18	RBC1222ZA-0	015 702 4980 3	BUTTON $\square$	53	RMV238ZA	015 610 0023 6	HEAT SINK $\square$
19	RBC1223ZA-0	015 702 4979 6	BUTTON $\square$	54	XTN3+6B	005 501 0432 0	SCREW $\square$
20	RBD495ZA-0	015 700 4787 2	KNOB $\square$	55	RJS2L3Z	003 400 5564 7	SOCKET(2P)
21	RBD496ZA-0	015 700 4786 3	KNOB $\square$	56	RJT707Z	003 410 5629 1	TERMINAL
22	RBD497ZA-0	015 700 4785 4	KNOB $\square$	57	WBB5CB-11KK	015 934 0133 8	FLAT CABLE $\square$
23	XEARR225EAY	002 390 1258 1	TELESCOPIC ANTENNA $\square$	58	WBB7CB-11KK	015 934 0132 9	FLAT CABLE $\square$
24	XYN3+F15FY	005 503 0348 5	SCREW $\square$	59	WBB7CB-9KM	015 934 0131 0	FLAT CABLE $\square$
25	XTC3+10CFN	005 501 2092 2	SCREW $\square$	60	IJSAFW29ZA	003 400 8049 9	REED WIRE $\square$
26	RKH148ZA	015 826 1259 4	HANDLE $\square$	61	RGF1159ZA-0	015 840 2732 4	CASSETTE PANEL $\square$
27	RKX383ZA-0	015 826 1258 5	ARM $\square$	62	RUP2314ZAC	015 630 2688 1	P.C.B. $\square$
28	RWEXFW29MKS	015 652 1542 0	BUTTON HOLDER ASS'Y $\square$	63	RDG5845ZAB	015 745 1197 1	GEAR $\square$
29	RYFXFW29MKS	015 802 3303 3	REAR CABINET ASS'Y $\square$	64	XYN26+C6	005 503 0554 1	SCREW $\square$
29A	RJC931Z	003 413 1201 6	BATTERY TERMINAL $\square$	65	RJS3L4Z	003 400 5636 8	SOCKET
29B	RJT1098ZA	003 410 8329 8	BATTERY TERMINAL $\square$	66	RJP2G4Y	003 402 1855 5	PLUG (2P)
29C	RHG1155ZAB	015 653 1235 3	MIC RUBBER $\square$	67 Δ	RUP2315ZAC	015 630 2687 2	P.C.B. $\square$
30	RYMXFW29MKS	015 800 6822 1	FRONT CABINET ASS'Y $\square$	68	RJC511Z	003 413 1086 1	BATTERY TERMINAL
30A	RGX1721ZA-0	015 846 3267 4	ORNAMENT $\square$	69	RJS4L4Z	003 400 5648 4	SOCKET (4P)
30B	RAF05E4M02-T	001 260 3876 6	TWEETER $\square$	70	RJS5L4Z	003 400 5656 4	SOCKET(5P)
31	RYQ2XFW29MKS	015 820 8892 7	CASSETTE LID ASS'Y $\square$	71	RJS6L4Z	003 400 5672 4	SOCKET (6P)
32	RYQ1XFW29MKS	015 820 8893 6	CASSETTE LID ASS'Y $\square$	72	RJT807Z	003 410 5703 8	TERMINAL
33	RAS10P27ZA-D	001 260 3877 5	SPEAKER $\square$	73	RJM164Z	001 275 0579 3	MICROPHONE

ACCESSARY AND PACKING PARTS LIST

Notes:
1. Important safety notice
Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
2. $\square$ Indicates parts that are supplied by MESA.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
PACKINGS				ACCESSORIES			
P1	RPH583ZA	015 979 0445 6	PROTECTION COVER $\square$	A1 Δ	RJA22X	003 490 3886 6	POWER CORD
P2	RPN9563ZA	015 977 3519 3	PAD $\square$	A2	RQX5006ZA	015 983 5114 6	INSTRUCTION MANUAL $\square$
P3	RPK2534ZA	015 972 2187 2	CARTON BOX $\square$				

MECHANISM PARTS LIST

Notes:

1.  Indicates parts that are supplied by MESA.
2. See page 11~14 regarding the illustrations

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
MECHANISM				178	RFY822ZA	015 718 4822 0	PLATE
CASSETTE DECK				179	RFS743ZA	015 726 3163 0	SPRING
101	RFU128ZA	015 630 2691 6	CHASSIS ASS'Y	180	F150ZA	015 653 1237 1	CUSHION
102	RFY420Z	015 718 3445 9	PAUSE LEVER	181	RFB91ZA	015 754 0370 9	BELT
103	RFS459Z	015 726 2444 8	SPRING	182	RFY823ZA	015 718 4818 6	ARM
104	RFS534Z	015 726 2472 4	SPRING	183	RFE420ZA	015 713 2166 2	SCREW
105	RFY798ZA	015 718 4842 6	LEVER	184	RFE222Z	005 500 4349 3	SCREW
106	RFS724ZA	015 726 3178 3	SPRING	185	RFN134Z	005 513 3253 3	WASHER
107	RFY161ZA	015 643 1107 6	STOPPER	186	RFE422ZA	015 713 2168 0	SCREW
108	RFY799ZA	015 718 4843 5	LEVER	187	RFE423ZA	015 713 2169 9	SCREW
109	RFS725ZA	015 726 3179 2	SPRING	188	RFE424ZA	015 713 2170 6	SCREW
110	RFY800ZA	015 718 4844 4	LEVER	189	RFN122Z	005 513 3241 7	WASHER
111	RFS726ZA	015 726 3180 9	SPRING	190	RFN136Z	005 513 3255 1	WASHER
112	RFE239Z	005 500 5057 8	SCREW	191	RFN182ZA	015 643 1112 9	WASHER
113	RFU129ZA	015 630 2692 5	SUB CHASSIS ASS'Y	192	RFE425ZA	015 713 2158 2	SCREW
114	RFY801ZA	015 718 4845 3	ARM	193	RFE421ZA	015 713 2167 1	SCREW
115	RFS727ZA	015 726 3177 4	SPRING	194	RFN133Z	005 513 3252 4	WASHER
116	RFU130ZA	015 630 2693 4	BUTTON BASE ASS'Y	195	RFE426ZA	015 713 2159 1	SCREW
117	RFY802ZA	015 718 4817 7	LEVER	196	RFN139Z	005 513 3258 8	WASHER
118	RFS728ZA	015 726 3156 9	SPRING	197	RFN183ZA	015 643 1113 8	WASHER
119	RFY803ZA	015 718 4838 2	ARM ASS'Y	198	RFE427ZA	015 713 2160 8	SCREW
120	RFS729ZA	015 726 3168 5	SPRING	199	RFN184ZA	015 643 1114 7	WASHER
121	RFY804ZA	015 718 4839 1	SLIDE PLATE	200	RFE428ZA	015 713 2161 7	SCREW
122	RFY805ZA	015 718 4840 8	LEVER	201	RFU61YA	015 630 2628 3	MAIN BASE PLATE ASS'Y
123	RFS730ZA	015 726 3169 4	SPRING	202	RFY541Z	015 632 4302 6	LEVER
124	RFY806ZA	015 718 4841 7	ROD	203	RFY764ZA	015 718 4644 0	LEVER
125	RFY807ZA	015 718 4842 8	LEVER	204	RFY542Z	015 718 3500 9	LEVER
126	RFS731ZA	015 726 3170 1	SPRING	205	RFY543Z	015 718 3501 8	LEVER
127	RFY808ZA	015 718 4833 7	LEVER	206	RFY544Z	015 718 3502 7	LEVER
128	RFY809ZA	015 718 4834 6	LEVER	207	RFY545Z	015 718 3503 6	LEVER
129	RFS732ZA	015 726 3171 0	SPRING	208	RFY824ZA	015 718 4821 1	LEVER
130	RFY810ZA	015 718 4835 5	LEVER	209	RFY547Z	015 718 4076 0	LEVER
131	RFY811ZA	015 718 4836 4	LEVER	210	RFY548Z	015 718 3505 4	LEVER
132	RFY812ZA	015 718 4837 3	LEVER	211	RFY825ZA	015 718 4820 2	LEVER
133	RFS733ZA	015 726 3172 9	SPRING	212	RFS459Z	015 726 2444 8	SPRING
134	RFS734ZA	015 726 3173 8	SPRING	213	RFY122Z	015 652 0882 7	STOPPER
135	RFY813ZA	015 718 4823 9	RELAY PLATE	214	RFS462Z	015 728 1267 1	SPRING
136	RFY814ZA	015 718 4824 8	PLATE	215	RFU62Z	015 630 1638 5	SUB CHASSIS
137	RFS735ZA	015 726 3174 7	SPRING	216	RFS463Z	015 728 1268 0	SPRING
138	RFY815ZA	015 718 4825 7	ARM	217	RFS530Z	015 726 2469 9	SPRING
139	RFY816ZA	015 643 1108 5	COLLAR	218	RFS744ZA	015 726 3164 9	R/P SPRING
140	RFY817ZA	015 718 4826 6	ARM	219	RFS464ZA	015 726 3148 9	SPRING
141	RFY818ZA	015 718 4827 5	HEAD PANEL	220	RFY549Z	015 718 3506 3	LEVER
142	RFY819ZA	015 718 4828 4	R.C. PLATE	221	RFS453Z	015 726 2442 0	SPRING
143	RFS736ZA	015 726 3175 6	SPRING	222	RFS561Z	015 728 1420 0	SPRING
144	RFX163ZA	015 643 1109 4	COLLAR	224	RFY591Z	015 718 4097 5	LEVER
145	RFE417ZA	015 641 1456 8	GUIDE	226	RFE227Z	015 652 0878 3	HEAD PANEL
146	RFS737ZA	015 726 3176 5	SPRING	228	RFY626Z	015 632 6397 3	ARM ASS'Y
147	1JH0027ZA	001 270 1899 1	P.B. HEAD	229	RFE245Z	005 500 5048 9	SCREW
148	RFU0334ZA	015 650 0160 4	ANGLE	230	RFS745ZA	015 726 3145 2	SPRING
149	RFS738ZA	015 726 3159 6	SPRING	231	RFU39Z	015 630 1611 6	HEAD BASE
150	RFS739ZA	015 726 3160 3	SPRING	232	RFX101Z	015 643 0652 0	PR STOPPER
151	RFR46ZA	015 740 3258 2	PINCH ROLLER	233	RFE255Z	005 500 5644 5	SCREW
152	RFR47ZA	015 740 3259 1	PINCH ROLLER	234	RFS447Z	015 726 2437 7	SPRING
153	RFU131ZA	015 630 2694 3	REEL PLATE ASS'Y	235	RFR48ZA	015 740 3260 8	PINCH ROLLER
154	RFJ77ZA	015 765 0572 0	REEL TABLE	236	RFS746ZA	015 726 3165 8	SPRING
155	RFE418ZA	015 713 2164 4	SCREW	238	RFE279Z	015 641 1343 6	METAL GUIDE
156	RFY819ZA	015 718 4829 3	ARM ASS'Y	239	RFQ47Z	015 742 0275 3	PULLEY ARM ASS'Y
157	RFY820ZA	015 718 4830 0	ARM ASS'Y	240	RFS532Z	015 728 1316 9	SPRING
158	RFY821ZA	015 643 1110 1	COLLAR	241	RFE281Z	005 500 5889 6	SCREW
159	RFS740ZA	015 726 3161 2	SPRING	242	RFB62Z	015 754 0288 2	BELT
160	RFF56ZA	015 756 0476 0	FLYWHEEL ASS'Y	244	RFF552ZA	015 756 0471 5	WHEEL
161	RFB90ZA	015 754 0369 2	BELT	245	RFU132ZA	015 630 2695 2	REEL PLATE ASS'Y
162	RFU0335ZA	015 650 0161 3	ANGLE	246	RFY826ZA	015 718 4819 5	PLATE ASS'Y
163	RFY821ZA	015 718 4831 9	LEVER	247	RFY109ZA	015 745 1191 7	GEAR
164	RFY822ZA	015 718 4832 8	LEVER	248	RFS450Z	015 726 2440 2	SPRING
165	RFE419ZA	015 713 2165 3	SCREW	249	RFY102ZA	015 745 1190 8	GEAR
166	RFI38Z	015 653 1096 6	RUBBER	250	RFS723ZA	015 726 3146 1	SPRING
167	RFE213Z	005 500 4344 8	SCREW	251	RFJ62Z	015 765 0545 3	REEL TABLE ASS'Y
168	RFI49ZA	015 653 1236 2	CUSHION	252	RFJ78ZA	015 765 0573 9	REEL TABLE ASS'Y
169	RFM127ZA	002 310 2620 7	MOTOR ASS'Y	253	RFY716Z	015 718 4355 6	LEVER
170	RFS741ZA	015 726 3162 1	SPRING	254	RFS707ZA	015 726 3086 6	SPRING
171	RFD232Z	015 641 1324 9	ANGLE	258	RFY581Z	015 718 4088 6	LEVER
172				259	RFS454Z	015 726 2443 9	SPRING
173				262	RJH2E9Y	001 270 1814 2	R/P HEAD
174				263	RJH2C12XZ	001 270 1359 4	E.HEAD
175				264	RFY397Z	015 717 0379 9	ARM

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
265	RFS567Z	015 728 1424 6	SPRING	292	RFN171ZA	015 643 1111 0	WASHER
266	RFS535Z	015 728 1317 8	SPRING	293	RFI37Z	015 748 0037 5	RUBBER
269	RFE232Z	005 500 4354 6	SCREW	294	RFY138Z	015 643 0974 5	COLLAR
270	RFE222Z	005 500 4349 3	SCREW	295	RFY717Z	015 718 4356 5	LEVER
271	RFE221Z	005 500 4348 4	SCREW	296	RFS749ZA	015 726 3157 8	SPRING
275	RFD336ZA	015 650 0159 7	ANGLE	298	RFY731ZA	015 726 3170 1	SPRING
276	RFQ52ZA	015 741 3500 6	PULLEY	299	RFS750ZA	015 726 3158 7	SPRING
277	RFB67Z	015 754 0304 9	BELT	301	RHR3070ZBB	015 652 1545 7	SPACER
278	RFB92ZA	015 754 0371 8	BELT	302	RHR183ZA	015 652 1546 6	HOLDER
279	RSE240ZA	015 882 0374 4	TAPE COUNTER	303	XTN2*4F	005 501 2156 3	SCREW
281	RFS747ZA	015 726 3166 7	SPRING	304	RBC1208ZA-0	015 702 4994 7	BUTTON
282	RFS748ZA	015 726 3167 6	SPRING	305	RBC1209ZA-0	015 702 4993 8	BUTTON
284	RFN123Z	005 513 3242 6	WASHER	306	RBC1210ZA-0	015 702 4992 9	BUTTON
285	RFE229Z	005 500 4351 9	SCREW	307	RBC1211ZA-0	015 702 4991 0	BUTTON
286	RFE425ZA	015 713 2158 2	SCREW	308	RBC1212ZA-0	015 702 4990 1	BUTTON
287	RFE416ZA	015 713 2155 5	SCREW	309	RBC1213ZA-0	015 702 4989 4	BUTTON
288	XSN2*6	005 500 1297 0	SCREW	310	RBC1214ZA-0	015 702 4988 5	BUTTON
289	RFE89Z	005 500 4378 8	SCREW	311	RBC1215ZA-0	015 702 4987 6	BUTTON
290	RFE230Z	005 500 4352 8	SCREW	312	RBC1216ZA-0	015 702 4986 7	BUTTON
291	RFN169Z	005 513 4141 6	WASHER	313	RBC1217ZA-0	015 702 4985 8	BUTTON
				314	RBC1218ZA-0	015 702 4984 9	BUTTON
				315	RBC1219ZA-0	015 702 4983 0	BUTTON

ELECTRICAL PARTS LIST

Notes:

1. Important safety notice

Components identified by  mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

2.  Indicates parts that are supplied by MESA.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
INTEGRATED CIRCUITS				VR101 EWAGE2C95A54 001 174 9050 7 V.R. VOLUME			
IC1	AN7205	001 061 0362 8	I.C. FRONTEND	VR301	EVND4AA00B53	001 180 2319 9	V.R., TAPE SPEED
IC2	BA4236L	001 061 0259 6	I.C. FM/AM IF	VR501	EVBJT2PA1201	001 174 9081 0	V.R., G.EQ
IC3	RVI BA1332L	001 060 6555 2	I.C. FM MPX	VARIABLE CAPACITORS			
IC301	AN7310N	001 061 0502 4	I.C. PRE AMP	CT1	RCVT220F	001 142 0343 1	TRIMMER
IC302	BA3310N	001 061 5848 1	I.C. PRE AMP	CT2	RCV15AF1-S	001 141 0629 5	TRIMMER
IC303	RVI BA6433	001 060 6559 8	I.C. AMBIENCE	CV1	RCV2L6V1K-M	001 141 0630 2	VARIABLE CAPACITOR
IC304	AN7147N	001 061 0919 3	I.C., POWER AMP	THERMISTORS AND VARISTORS			
IC501	BA3822LS	001 061 1434 5	I.C. G.EQ	TH1	RRT202	001 191 0697 3	THERMISTOR
TRANSISTORS				COILS AND TRANSFORMERS			
Q1	2SC829BTA	001 030 7375 8	TRANSISTOR	L2	RL04N236-0	001 211 4431 2	COIL
Q2, Q3	2SC1685-Q	001 030 1065 3	TRANSISTOR	L4	RLF2C62	001 214 1565 6	COIL
Q4	2SA722-S	001 030 0390 7	TRANSISTOR	L5	RL02B105	001 210 9999 2	COIL
Q101	2SC1685-Q	001 030 1065 3	TRANSISTOR	L10	RLQY30S4	001 210 9812 8	COIL
Q102	2SC2001L1	001 030 1199 0	TRANSISTOR	L11	RLQY75S5	001 210 1401 5	COIL
Q201	2SC1685-Q	001 030 1065 3	TRANSISTOR	L101, L201	RLQZB102K	001 210 9855 7	COIL
Q202	2SC2001L1	001 030 1199 0	TRANSISTOR	T1	RL14B153	001 215 2499 0	I.F. TRANSFORMER
Q301	2SC1684STA	001 030 7354 3	TRANSISTOR	T2	RL12B458	001 215 2381 3	COIL
Q302, Q303	2SC1685-Q	001 030 1065 3	TRANSISTOR	T3	RL14B153	001 215 2499 0	I.F. TRANSFORMER
Q304	2SC1685-Q	001 030 1065 3	TRANSISTOR	T301	RL09B17	001 211 0985 9	COIL
Q305	2SK301QTA	001 030 7355 2	TRANSISTOR	T401	RLT5K4C1A-S	001 202 9215 9	POWER TRANSFORMER
Q306	2SC2001L1	001 030 1199 0	TRANSISTOR	COMPONENT COMBINATIONS			
Q307	2SK301QTA	001 030 7355 2	TRANSISTOR	Z1	RXABPMB6A	001 230 1368 7	COMPONENTS COMBINATION
Q308, Q309	2SC1685-Q	001 030 1065 3	TRANSISTOR	FILTERS			
Q310	2SC1684STA	001 030 7354 3	TRANSISTOR	CF1	RVF107WMZ	001 241 0657 4	CERAMIC FILTER
Q312	2SC1685-Q	001 030 1065 3	TRANSISTOR	CF2	RVFSFU455B	001 241 0173 9	CERAMIC FILTER, 455KHZ
DIODES				SWITCHES			
D1, D2	RVDKV1330A2	001 033 0449 0	D1ODE	S1	RSS2B57Z	003 431 3128 8	SW. BAND
D3	MA165	001 032 0494 0	D1ODE	S2	ESB621666	003 435 6486 7	SW. FM PRESET
D4	MA940B	001 032 6198 1	D1ODE	S3	RSS3A15Z	003 431 3132 2	SW. MODE
D5	RVDRD5R1ES2T	001 033 0451 6	D1ODE	S4	RSS3D28ZA-H	003 431 3976 6	SW. FUNCTION
D101, D201	MA165	001 032 0494 0	D1ODE	S5	RSS3B31Z	003 431 3138 6	SW. EDIT MODE
D301	RVDRD6R2ES3T	001 033 0452 5	D1ODE	S6	RJJ1A2YB-H	003 400 8039 1	AC IN JACK W/S.W
D302	RVDRD10ES1T	001 033 0450 7	D1ODE	S7	RS2H03RA-A	003 435 5173 5	SW. REC/PLAY
D303	MA165	001 032 0494 0	D1ODE	S8	RFA62Z	003 435 5173 5	SW. FWD/REV
D304, D305	LN28RPHTA	001 033 0442 7	L.E.D	S9	RFA82ZA		SW. MOTOR
D306	LN28RPHTA	001 033 0442 7	L.E.D	S10	RFA52Z	003 434 0843 5	SW. MOTOR
D401, D402	RVD1SR35	001 032 6336 9	D1ODE	OTHERS			
D403, D404	RVD1SR35	001 032 6336 9	D1ODE	J1	RJJD7S2Z	003 400 6898 4	JACK, H.P
VARIABLE RESISTORS				J2	RJJ1A2YB-H	003 400 8039 1	AC IN JACK W/S.W.
VR1	EVND4AA00B14	001 180 2242 3	V.R. FM VCO	J3	RJJ1D20Y	003 400 7496 4	JACK, MIX MIC
VR3, VR4	EVUF2AE35B15	001 174 9230 5	V.R. FM PRESET	J4	RJF1096Z	003 410 5452 8	JACK, CD/LINE
VR5	EVUF2AE35B15	001 174 9230 5	V.R. FM PRESET				
VR6	EVND4AA00B14	001 180 2242 3	V.R. VARICAP				

RESISTOR AND CAPACITOR PARTS LIST

Numbering System of Resistor

Example:

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value (100Ω)
ERJ	6G	C	J	2R2
Type	Wattage	Shape	Tolerance	Value (2.2Ω)

Numbering System of Capacitor

Example:

ECKD	1H	102	Z	F
Type	Voltage	Value (1000pF)	Tolerance	Peculiarity
ECEA	50	M	R47	
Type	Voltage	Peculiarity	Value (0.47μF)	

Resistor Type	Wattage	Tolerance
ERD: Carbon Resistor	10 : 1/8W	F : ±1%
ERC: Solid Resistor	25 : 1/4W	G : ±2%
ERF: Incombustible Box-Shaped Resistor	50 : 1/2W	J : ±5%
Wire-Wound Resistor	18 : 1/8W	K : ±10%
	14 : 1/4W	M : ±20%
ERG: Metal Oxide-Film Resistor	12 : 1/2W	
	1 : 1W	
ERM: Wire-Wound Resistor	2 : 2W	
	3 : 3W	
ERO: Superstable Metal Film Resistor	S1 : 1/2W	
	S2 : 1/4W	
ERX: Metal-Film Resistor	6G : 1/10W	
	8G : 1/8W	
RRJ: Chip Resistor		
ERJ: Chip Resistor		

Capacitor Type	Voltage	Tolerance
ECCD: Ceramic Capacitor (Chitacon)	(ECCD, ECKD Type) 1H : 50V DC 2H : 500V DC	K : ±10%
ECKD: Ceramic Capacitor (Chitabari)	(ECKD Type) C : 12V DC D : 25V DC	M : ±20%
ECFD: Semiconductor Ceramic Capacitor (ECQ Type)	E : 50V DC	Z : +80%
ECE□: Electrolytic Capacitor	05 : 50WV DC 1 : 100WV DC	J : ±5%
ECS□: Tantalum Fixed Electrolytic Capacitor	(ECE, ECS Type) 0G : 4V 0J : 6.3V	G : ±2%
ECQ□: Polystyrene Film Capacitor	1A : 10V 1C : 16V	F : ±1%
ECQS: Polystyrene Film Capacitor	1E : 25V 1V : 35V	C : ±0.25pF
ECQS: Polypropylene Film Capacitor	1H : 50V 1J : 63V	D : ±0.5pF
ECQV: T.F. Capacitor		
ECU□: Chip Capacitor		
RCU□: Chip Capacitor		
ECBT: Cylindrical Ceramic Capacitor		

* Capacity are in microfarads (μF) unless specified otherwise, P=Pico-farads.

* Resistance are in ohms (Ω), unless specified otherwise, 1K=1,000Ω, 1M=1,000KΩ

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
RESISTORS			R115	ERDS2TJ221	001 152 2431 8	R317	ERDS2TJ681	001 152 2449 8
R1	ERDS2TJ220T	001 152 2430 9	R116	ERDS2TJ471	001 152 2361 5	R318	ERDS2TJ153	001 152 2351 7
R2	ERDS2TJ474	001 152 3944 4	R117	ERDS2TJ103	001 152 2347 3	R320	ERDS2TJ103	001 152 2347 3
R3, R4	ERDS2TJ104	001 152 2348 2	R118	ERDS2TJ2R2T		R321	ERDS2TJ153	001 152 2351 7
R5	ERDS2TJ474	001 152 3944 4	R120	ERDS2TJ101	001 152 2421 0	R322	ERDS2TJ221	001 152 2431 8
R6	ERDS2TJ101	001 152 2421 0	R121	ERDS2TJ222	001 152 2353 5	R323, R324	ERDS2TJ102	001 152 2346 4
R7	ERDS2TJ100	001 152 3927 5	R122	ERDS2TJ103	001 152 2347 3	R325	ERDS2TJ105	001 152 2422 9
R8, R10	ERDS2TJ474	001 152 3944 4	R123	ERDS2TJ332	001 152 2357 1	R326	ERDS2TJ103	001 152 2347 3
R11	ERDS2TJ101	001 152 2421 0	R124, R125	ERDS2TJ273	001 152 2436 3	R327, R328	ERDS2TJ105	001 152 2422 9
R12	ERDS2TJ470	001 152 2442 5	R201	ERDS2TJ563	001 152 2446 1	R330	ERDS2TJ222	001 152 2353 5
R13	ERDS2TJ471	001 152 2361 5	R202	ERDS2TJ562	001 152 2445 2	R331	ERDS2TJ102	001 152 2346 4
R14	ERDS2TJ101	001 152 2421 0	R203	ERDS2TJ330	001 152 3935 5	R332, R333	ERDS2TJ331	001 152 3936 4
R15	ERDS2TJ474	001 152 3944 4	R204	ERDS2TJ823	001 152 2456 9	R334	ERDS2TJ103	001 152 2347 3
R16	ERDS2TJ222	001 152 2353 5	R205	ERDS2TJ153	001 152 2351 7	R335	ERDS2TJ821	001 152 2454 1
R17	ERDS2TJ333	001 152 2358 0	R206	ERDS2TJ103	001 152 2347 3	R336, R337	ERDS2TJ181	001 152 2428 3
R18, R20	ERDS2TJ472	001 152 2362 4	R207	ERDS2TJ153	001 152 2351 7	R338	ERDS2TJ822	001 152 2455 0
R21, R22	ERDS2TJ472	001 152 2362 4	R208	ERDS2TJ272	001 152 2354 4	R339	ERDS2TJ334	001 152 2438 1
R23	ERDS2TJ821	001 152 2454 1	R210	ERDS2TJ223	001 152 2432 7	R340	ERDS2TJ471	001 152 2361 5
R24	ERDS2TJ102	001 152 2346 4	R211	ERDS2TJ103	001 152 2347 3	R341	ERDS2TJ222	001 152 2353 5
R25	ERDS2TJ104	001 152 2348 2	R212, R213	ERDS2TJ682	001 152 2365 1	R342	ERDS2TJ104	001 152 2362 4
R26	ERDS2TJ822	001 152 2455 0	R214	ERDS2TJ102	001 152 2346 4	R343	ERDS2TJ103	001 152 2347 3
R27	ERDS2TJ102	001 152 2346 4	R215	ERDS2TJ221	001 152 2431 8	R344	ERDS2TJ472	001 152 2362 4
R28	ERDS2TJ332	001 152 2357 1	R216	ERDS2TJ471	001 152 2361 5	R346	ERDS2TJ104	001 152 2348 2
R29	ERDS2TJ102	001 152 2346 4	R217	ERDS2TJ103	001 152 2347 3	R347	ERDS2TJ471	001 152 2361 5
R30	ERDS2TJ472	001 152 2362 4	R218	ERDS2TJ2R2T		R501	ERDS2TJ152	001 152 2350 8
R31	ERDS2TJ104	001 152 2348 2	R220	ERDS2TJ101	001 152 2421 0	R502	ERDS2TJ472	001 152 2362 4
R32	ERDS2TJ470	001 152 2442 5	R221	ERDS2TJ222	001 152 2353 5	R503	ERDS2TJ153	001 152 2351 7
R33, R34	ERDS2TJ103	001 152 2347 3	R222	ERDS2TJ103	001 152 2347 3	R551	ERDS2TJ152	001 152 2350 8
R35	ERDS2TJ332	001 152 2357 1	R223	ERDS2TJ332	001 152 2357 1	R552	ERDS2TJ472	001 152 2362 4
R36	RRSA36J182TH	001 151 7453 7	R224, R225	ERDS2TJ273	001 152 2436 3	R553	ERDS2TJ153	001 152 2351 7
R50	ERDS2TJ103	001 152 2347 3	R301	ERDS2TJ334	001 152 2438 1	CAPACITORS		
R101	ERDS2TJ563	001 152 2446 1	R302, R303	ERDS2TJ222	001 152 2353 5	C1	ECKF1H102KB	001 103 1796 1
R102	ERDS2TJ562	001 152 2445 2	R304	ERDS2TJ101	001 152 2421 0	C2	RCBS1H102KB	001 103 5571 0
R103	ERDS2TJ330	001 152 3935 5	R305, R306	ERDS2TJ222	001 152 2353 5	C3	ECCT1H040CC	
R104	ERDS2TJ823	001 152 2456 9	R307	ERDS2TJ101	001 152 2421 0	C4	RCBS1H391KBY	001 103 8540 5
R105	ERDS2TJ153	001 152 2351 7	R308	ERDS2TJ6R8T	001 152 3155 5	C5	RCBS1H102KB	001 103 5571 0
R106	ERDS2TJ103	001 152 2347 3	R310	ERDS2TJ472	001 152 2362 4	C6	ECEA50ZRA7E	001 120 1287 0
R107	ERDS2TJ153	001 152 2351 7	R311	ERDS2TJ471	001 152 2361 5	C7	RCBS1H180JC	001 103 5591 6
R108	ERDS2TJ272	001 152 2354 4	R312	ERDS2TJ223	001 152 2432 7	C8	ECCT1H221JU	001 103 9622 0
R110	ERDS2TJ223	001 152 2432 7	R313	ERDS2TJ105	001 152 2422 9	C9	RCBS1H102KB	001 103 5571 0
R111	ERDS2TJ103	001 152 2347 3	R314	ERDS2TJ102	001 152 2346 4	C10	ECCD1H470KC	
R112, R113	ERDS2TJ682	001 152 2365 1	R315	ERDS2TJ103	001 152 2347 3	C11	ECKF1H102KB	001 103 1796 1
R114	ERDS2TJ102	001 152 2346 4	R316	ERDS2TJ472	001 152 2362 4	C12	RCBS1H150JC	001 103 5584 5

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
C13	ECKF1H102KB	001 103 1796 1	C119	ECEA50ZR47E	001 120 1287 0	C317	ECEA1CU100	001 120 2958 0
C14	ECEA1HU2R2	001 120 3253 2	C120	ECEA1AU470	001 120 3870 3	C318	ECEA0JU470	001 120 3858 9
C15, C16	ECFT1C223MD	001 108 0565 3	C121	ECEA1AU102	001 120 3867 8	C319	ECFD1C223MD	001 108 0772 8
C17	ECFV1C104MD	001 108 0691 8	C122	ECFV1E683MD	001 108 0701 3	C320	ECEA1CU330	001 120 2834 1
C18	RCBC1H331KB	001 103 5541 6	C123	ECQM1H224JZ	001 106 0746 0	C321	ECEA1CU100	001 120 2958 0
C20	ECEA0JU101B	001 120 2829 8	C201	ECEA1HU010	001 120 2960 6	C322	RCBS1H102KB	001 103 5571 0
C21, C22	ECFT1C223MD	001 108 0565 3	C202	RCBS1H471KB	001 103 5630 6	C323	ECFT1C103MD	001 108 0660 8
C23	ECEA1HU2R2	001 120 3253 2	C204	ECFD1C153KD	001 108 0563 5	C324	ECFT1C153MD	001 108 0564 4
C24	ECEA0JU470	001 120 3858 9	C205	RCBS1H102KB	001 103 5571 0	C325	ECEA50ZR47E	001 120 1287 0
C25	ECKT1H472MD		C206	ECEA0JU101B	001 120 2829 8	C326	ECEA1AU471	001 120 3728 8
C26	ECEA1HU2R2	001 120 3253 2	C207	ECEA1HU010	001 120 2960 6	C327	ECEA1EU102E	001 120 2705 9
C27	RCBS1C103MY	001 103 8060 6	C208	ECFV1E473MD	001 108 0700 4	C328	ECEA1AU221	001 120 3131 1
C28	ECEA50ZR47E	001 120 1287 0	C209	ECFT1C223MD	001 108 0565 3	C329	ECEA0JU221	001 120 2925 9
C29	ECCT1H100KC		C210	ECEA1HU010	001 120 2960 6	C330	RCBS1C103MY	001 103 8060 6
C30	ECEA1HUR33	001 120 3248 9	C211	ECEA1EU473	001 120 3897 2	C331	ECEA1CS222	001 120 0265 0
C31	ECEA1HU010	001 120 2960 6	C212	ECEA1HU010	001 120 2960 6	C332	ECEA0JU470	001 120 3858 9
C32	ECQG1H102KZT		C213	ECFD1C223KD	001 108 0781 7	C335, C336	RCBS1H102KB	001 103 5571 0
C33	ECEA50ZR47E	001 120 1287 0	C214	ECEA0JU330	001 120 3857 0	C338	RCBS1H471KB	001 103 5630 6
C34	ECEA0JU101B	001 120 2829 8	C215	ECEA1HU010	001 120 2960 6	C339	ECEA0JU101B	001 120 2829 8
C35	ECEA0JU330	001 120 3857 0	C216	ECEA0JU101B	001 120 2829 8	C401, C402	ECKD1H103ZF	001 103 1449 7
C36	ECCT1H050C		C217	ECEA1HU010	001 120 2960 6	C403, C404	ECKD1H103ZF	001 103 1449 7
C37	RCBS1H181KB	001 103 5595 2	C218	RCBS1H102KB	001 103 5571 0	C501	RCBS1H471KB	001 103 5630 6
C49	RCBC1H331KB	001 103 5541 6	C219	ECEA50ZR47E	001 120 1287 0	C502, C503	ECEA1HKS010	001 120 2559 1
C51	ECFT1C223MD	001 108 0565 3	C220	ECEA1AU470	001 120 3870 3	C504	RCBS0J223NYY	015 861 2021 1
C52	ECKF1H102KB	001 103 1796 1	C221	ECEA1AU102	001 120 3867 8	C505	ECEA1HKS2R2	001 120 2560 8
C101	ECEA1HU010	001 120 2960 6	C222	ECFV1E683MD	001 108 0701 3	C506	RCBS1C103MY	001 103 8060 6
C102	RCBS1H471KB	001 103 5630 6	C223	ECQM1H224JZ	001 106 0746 0	C507	ECEA1HKS2R3	001 120 2935 7
C104	ECFD1C153KD	001 108 0563 5	C301	ECEA0JU330	001 120 3857 0	C508	RCBC1C332MX	001 103 7086 0
C105	RCBS1H102KB	001 103 5571 0	C302	ECEA0JU471	001 120 3620 9	C509	ECEA1HKS0R1	001 120 2936 6
C106	ECEA0JU101B	001 120 2829 8	C303	ECFT1C223MD	001 108 0565 3	C510	RCBS1C222MX	001 103 8858 6
C107	ECEA1HU010	001 120 2960 6	C304	ECEA1HU010	001 120 2960 6	C511, C512	RCBS0J223NYY	015 861 2021 1
C108	ECFV1E473MD	001 108 0700 4	C305	RCBS1H102KB	001 103 5571 0	C551	RCBS1H471KB	001 103 5630 6
C109	ECFT1C223MD	001 108 0565 3	C306	RCBS1C222MX	001 103 8858 6	C552, C553	ECEA1HKS010	001 120 2559 1
C110	ECEA1HU010	001 120 2960 6	C307	RCBS1C103MY	001 103 8060 6	C554	RCBS0J223NYY	015 861 2021 1
C111	ECEA1EU477	001 120 3897 2	C308	ECCT1H181K		C555	ECEA1HKS2R2	001 120 2560 8
C112	ECEA1HU010	001 120 2960 6	C309	ECFV1E473MD	001 108 0700 4	C556	RCBS1C103MY	001 103 8060 6
C113	ECFD1C223KD	001 108 0781 7	C310	ECQS2B272KZ	001 106 3594 6	C557	ECEA1HKS2R3	001 120 2935 7
C114	ECEA0JU330	001 120 3857 0	C311	ECEA1HU010	001 120 2960 6	C558	RCBC1C332MX	001 103 7086 0
C115	ECEA1HU010	001 120 2960 6	C312	ECEA1CV221SE	001 120 4123 7	C559	ECEA1HKS0R1	001 120 2936 6
C116	ECEA0JU101B	001 120 2829 8	C313	ECFT1C223MD	001 108 0565 3	C560	RCBS1C222MX	001 103 8858 6
C117	ECEA1HU010	001 120 2960 6	C314	ECFT1C103MD	001 108 0560 8	C561, C562	RCBS0J223NYY	015 861 2021 1
C118	RCBS1H102KB	001 103 5571 0	C315, C316	ECEA1CU100	001 120 2958 0			